

CLAIMS

What is claimed is:

1. A nail loading assembly for coupling with a nail driving assembly of a nail gun, comprising:
 - a housing for storing nails and providing nails to the nail driving assembly; and
 - a universal adapter assembly coupled with the housing, the universal adapter assembly for pivotally coupling the housing with the nail driving assembly,
 - wherein the universal adapter assembly enables the nail loading assembly to be positioned at various angles relative to the nail driving assembly.
2. The nail loading assembly of claim 1, wherein the universal adapter assembly comprises a seating member coupled with a rail member and a transition plate.
3. The nail loading assembly of claim 1, further comprising an adjustment assembly disposed on the housing.
4. The nail loading assembly of claim 1, wherein the nail loading assembly further comprises a cover coupled with the housing, the cover being removable from the housing.
5. The nail loading assembly of claim 4, wherein the nail loading assembly further comprises a support assembly disposed on the housing and the cover.
6. The nail loading assembly of claim 1, wherein the nail driving assembly further comprises an adjustable angle nose casting assembly.
7. The nail loading assembly of claim 6, wherein the adjustable angle nose casting assembly further comprises a support bar assembly.

8. The nail loading assembly of claim 1, further comprising a pick-off pivot assembly.
9. The nail loading assembly of claim 1, further comprising an articulating pusher assembly.
10. The nail loading assembly of claim 1, further comprising a nail checker assembly.
11. The nail loading assembly of claim 1, further comprising a nail lockout assembly.
12. The nail loading assembly of claim 1, further comprising a nail spacing verification assembly.
13. The nail loading assembly of claim 1, further comprising a nail shank pawl assembly.
14. The nail loading assembly of claim 1, further comprising a pinion nail verification assembly.
15. The nail loading assembly of claim 1, wherein the nail loading assembly is at least one of a top load magazine and a side load magazine.
16. The nail loading assembly of claim 1, wherein the nail loading assembly is a modular nail loading assembly.

17. The nail loading assembly of claim 1, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
18. The nail loading assembly of claim 1, wherein the nail gun further comprises a clutch assembly.

19. An adjustable angle magazine for use with a nail gun, comprising:
 - a housing including a first end and a second end, the housing for storing nails and providing nails to a nail driving assembly of the nail gun;
 - an adjustment assembly disposed proximal to the second end of the housing, the adjustment assembly for affixing the position of the housing relative to the nail gun; and
 - a universal adapter assembly coupled with the first end of the housing, the universal adapter assembly for pivotally coupling with the nail driving assembly,wherein the universal adapter assembly and the adjustment assembly enable the adjustable angle magazine to be positioned at various angles relative to the nail driving assembly.
20. The adjustable angle magazine of claim 19, wherein the universal adapter assembly comprises a seating member coupled with a rail member and a transition plate.
21. The adjustable angle magazine of claim 19, further comprising a cover coupled with the housing, the cover capable of being removed from the housing.
22. The adjustable angle magazine of claim 19, further comprising a support assembly.
23. The adjustable angle magazine of claim 19, wherein the nail driving assembly further comprises an adjustable angle nose casting assembly.
24. The adjustable angle magazine of claim 23, wherein the adjustable angle nose casting assembly further comprises a support bar assembly.
25. The adjustable angle magazine of claim 19, further comprising a pick-off pivot

assembly.

26. The adjustable angle magazine of claim 19, further comprising an articulating pusher assembly.
27. The adjustable angle magazine of claim 19, further comprising a nail checker assembly.
28. The adjustable angle magazine of claim 19, further comprising a nail lockout assembly.
29. The adjustable angle magazine of claim 19, further comprising a nail spacing verification assembly.
30. The adjustable angle magazine of claim 19, further comprising a nail shank pawl assembly.
31. The adjustable angle magazine of claim 19, further comprising a pinion nail verification assembly.
32. The adjustable angle magazine of claim 19, wherein the adjustable angle magazine is at least one of a top load magazine and a side load magazine.
33. The adjustable angle magazine of claim 19, wherein the adjustable angle magazine is a modular adjustable angle magazine.
34. The adjustable angle magazine of claim 19, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an

electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.

35. The adjustable angle magazine of claim 19, wherein the nail gun further comprises a clutch assembly.

36. An adjustable angle nail gun, comprising:

a handle including a first end and a second end, the second end coupled with a fastening assembly;

a nail driving assembly coupled with the first end of the handle, the nail driving assembly including a driver blade, the nail driving assembly for driving a nail;

an adjustable angle nose casting assembly coupled with the nail driving assembly, the adjustable angle nose casting assembly for receiving the nail and enabling the operational engagement of the driver blade with the nail; and

an adjustable angle magazine including a first end coupled with a universal adapter assembly for pivotally coupling with the adjustable angle nose casting assembly and an adjustment assembly disposed proximal to a second end of the adjustable angle magazine, the adjustment assembly for coupling with the fastening assembly, the adjustable angle magazine for storing and providing the nail to the adjustable angle nose casting assembly,

wherein the adjustable angle magazine is enabled to be positioned at various angles relative to the adjustable angle nose casting assembly.

37. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine further comprises a pick-off pivot assembly.

38. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine further comprises an articulating pusher assembly.

39. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine further comprises a nail checker assembly.

40. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine further comprises a nail lockout assembly.

41. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine further comprises a nail spacing verification assembly.
42. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine further comprises a nail shank pawl assembly.
43. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine further comprises a pinion nail verification assembly.
44. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine is at least one of a top load magazine and a side load magazine.
45. The adjustable angle nail gun of claim 36, wherein the adjustable angle magazine is a modular adjustable angle magazine.
46. The adjustable angle nail gun of claim 36, wherein the adjustable angle nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
47. The adjustable angle nail gun of claim 36, wherein the adjustable angle nail gun further comprises a clutch assembly.

48. A nail loading assembly for use with a nail gun, comprising:
means for storing and providing a nail to a means for driving a nail; and
means for adjusting the angle of the means for storing and providing a nail
relative to the means for driving a nail.
49. The nail loading assembly of claim 48, wherein the means for driving a nail is a
nail driving assembly disposed in the nail gun.
50. The nail loading assembly of claim 48, wherein the nail gun is selected from the
group consisting of a pneumatic nail gun, a spring loaded nail gun, an
electromagnetic nail gun, or a combustion nail gun.
51. The nail loading assembly of claim 48, wherein the means for storing a nail is an
adjustable angle nail loading assembly.
52. The nail loading assembly of claim 51, wherein the adjustable angle nail loading
assembly is an adjustable angle magazine.
53. The nail loading assembly of claim 52, wherein the adjustable angle magazine
further comprises a pick-off pivot assembly.
54. The nail loading assembly of claim 52, wherein the adjustable angle magazine
further comprises an articulating pusher assembly.
55. The nail loading assembly of claim 52, wherein the adjustable angle magazine
further comprises a nail checker assembly.
56. The nail loading assembly of claim 52, wherein the adjustable angle magazine
further comprises a nail lockout assembly.

- 57. The nail loading assembly of claim 52, wherein the adjustable angle magazine further comprises a nail spacing verification assembly.
- 58. The nail loading assembly of claim 52, wherein the adjustable angle magazine further comprises a nail shank pawl assembly.
- 59. The nail loading assembly of claim 52, wherein the adjustable angle magazine further comprises a pinion nail verification assembly.
- 60. The nail loading assembly of claim 52, wherein the adjustable angle magazine is at least one of a top load magazine and a side load magazine.
- 61. The nail loading assembly of claim 52, wherein the adjustable angle magazine is a modular nail loading assembly.
- 62. The nail loading assembly of claim 48, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
- 63. The nail loading assembly of claim 48, wherein the nail gun further comprises a clutch assembly.